## Claims

- 1. The use of a conjugate comprising a carboxyl group-containing organic compound and a protein for producing a pharmaceutical for modulating a transplantation-associated immune response.
  - 2. The use as claimed in claim 1 for producing a pharmaceutical for preventing a transplantation-associated immune response.
  - 3. The use as claimed in claim 1 or 2 for producing a pharmaceutical for the prophylaxis or/and treatment of GVHD (graft versus host disease).
- 4. The use as claimed in claim 3, characterized in that GVHD is an acute GVHD.
- 5. The use as claimed in claim 3, characterized in that GVHD is a chronic GVHD.
  - 6. The use as claimed in any of the preceding claims, characterized in that the transplantation is a bone marrow transplantation.
- 7. The use as claimed in any of claims 1 to 5, characterized in that the transplantation is an organ transplantation, in particular a kidney, heart or liver transplantation.
  - 8. The use as claimed in any of the preceding claims, characterized in that an allogeneic transplantation is involved.
- 9. The use as claimed in any of the preceding claims, characterized in that the carboxyl group-containing organic compound is selected from cytostatics or immunosuppressants.

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- 10. The use as claimed in any of the preceding claims, characterized in that the carboxyl group-containing organic compound is methotrexate or aminopterin.
- 5 11. The use as claimed in any of the preceding claims, characterized in that the polypeptide is a native human polypeptide.
- 12. The use as claimed in any of the preceding claims, 10 characterized in that the polypeptide is albumin, in particular human albumin.
- 13. The use as claimed in any of the preceding claims, characterized in that the conjugate is a methotrexatealbumin conjugate.
  - 14. A method for preparing a conjugate comprising
    i) a carboxyl group-containing organic compound and
    ii) a protein,
- characterized in that a carboxyl group-containing organic compound and a protein are reacted in the presence of 1-ethyl-3-(3-dimethylaminopropyl)carbodimide and of N-hydroxysuccinimide.
- 25 15. The method as claimed in claim 14, characterized in that the carboxyl group-containing organic compound is a cytostatic or an immunosuppressant.
- 16. The method as claimed in claim 14 or 15, 30 characterized in that the carboxyl group-containing organic compound is methotrexate.

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- 17. The method as claimed in any of claims 14 to 16, characterized in that the protein is albumin.
- 18. The method as claimed in any of claims 14 to 17, characterized in that the carboxyl group-containing organic compound is activated in an organic solvent, in particular in an anhydrous organic solvent, with

1-ethyl-3-(3-dimethylaminopropyl)carbodiimide and N-hydroxysuccinimide, and then the activated carboxyl group-containing organic compound is reacted with the protein.

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- 19. A method for preparing a conjugate comprisingi) a carboxyl group-containing organic compound andii) a protein,
- characterized in that a carboxyl group-containing organic compound and a protein are reacted in the presence of 1-ethyl-3-(3-dimethylamino-propyl)carbonyldiimide.
- 20. The method as claimed in claim 19, characterized in that the carboxyl group-containing organic compound is a cytostatic or an immunosuppressant.
- 21. The method as claimed in claim 19 or 20, characterized in that the carboxyl group-containing organic compound is methotrexate, aminopterin and/or N-phthaloyl-L-glutamic acid.
- 22. The method as claimed in claim 21, characterized in that the carboxyl group-containing organic compound 25 is methotrexate.
  - 23. The method as claimed in any of claims 19 to 22, characterized in that the protein is albumin.
- 24. The method as claimed in any of claims 19 to 23, characterized in that the carboxyl group-containing organic compound is reacted in an organic solvent, in particular in an anhydrous organic solvent, with 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide, is activated by heating and then the activated carboxyl group-containing organic compound is reacted with the protein.